Naufal Nizarudeen

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Profile

Data Science graduate from the University of Western Australia, with over three years of software engineering experience, skilled in quantitative analysis and data cleansing using Python, SQL, and Tableau. Demonstrated ability to work effectively in teams, managing competing priorities and delivering projects under tight deadlines, as shown in client-facing roles developing medical imaging solutions. Proficient in desktop research to support complex technical and policy projects, with strong written and verbal communication skills for engaging diverse stakeholders. Adaptable and eager to learn new analytical tools and approaches, evidenced by rapidly mastering AWS for data warehousing, ready to contribute to regulatory and economic analysis.

Professional Experience

Technical Tutor
Tutor Lim | Jul 2023 – Dec 2024

About the Company: Tutor Lim (www.tutorlim.com) is an Australian tutoring company specializing in personalized, high-quality education for university and high school students, focusing on STEM subjects like math, engineering, and science, with both in-person and online services.

- Mentored 50+ students in statistical analysis and data interpretation using Python and SQL.
- Developed tailored learning plans, creating data-driven reports to inform teaching strategies.
- Translated complex data concepts into practical applications for diverse learners.

Technologies: Bayesian Statistics, Computing Theory, Data Structures, Python, SQL.

Software Engineer
Quest Global Engineering Services Pvt. Ltd | Sep 2018 – Jan 2022

About the Company: Quest Global (www.questglobal.com), headquartered in Singapore, is a company that provides engineering solutions to renowned clients such as Airbus, Philips, HP, Hitachi, GE, and others.

- Designed Windows applications for medical imaging devices using DICOM formats and SQL Server.
- Deployed on-site to collaborate with the clients in development, maintenance, testing and bug fixing.
- Prepared comprehensive performance reports across 3+ client departments.
- Analysed client feedback to inform system enhancements and compliance improvements.

Tools and Technologies: C++, C#.NET, C, wpf, Google Tests, IBM RTC, Jenkins, Azure, SQL Server.

Part-time Experience

Team Member
Coles Supermarkets | Oct 2022 – July 2024

- Managed customer orders and inquiries as Service Desk Supervisor during peak periods.
- Coordinated with team members to ensure timely task completion under tight deadlines.
- Supervised staff to maintain service quality and resolve operational issues efficiently.

Workplace Skills: Team Collaboration, Problem-Solving, Time Management, Leadership, Communication, Adaptability, Attention to Detail, Independent Work Ethic.

Projects

QA (NLP) Model
(GitHub Link: https://github.com/naufal1418/QA_Model)

- Built Python framework using Bi-RNN and Attention Mechanisms.
- Achieved 85% accuracy on benchmark datasets.
- Applied advanced data modelling to generate concise, actionable summaries.

Tools and Technologies: Python, Jupyter Notebook, TensorFlow, Scikit-learn, Word2Vec (SkipGram), NLTK, Bi-RNN, GRU, NumPy, Pandas, Matplotlib.

Prediction of Peak Days of Energy Consumption in Perth
(GitHub Link: https://github.com/naufal1418/peak_energy_prediction)

- Developed Python-based ML model predicting Perth's peak energy days with 90% accuracy.
- Collaborated with Data Analysis Australia to create PowerBI visualizations.
- Drove operational planning and resource optimization.

Tools and Technologies: Python, XGBoost, CNN, Decision Tree, ARIMA, Weather API, NumPy, Pandas, Matplotlib, PowerBI.

Education

Master of Data Science
The University of Western Australia | Dec 2023

Bachelor of Electrical and Electronics Engineering
University of Kerala | May 2018

ICT Professional Year Program
National Institute of Technology | Ongoing

Leadership & Volunteering

- **Postgraduate Student Representative, Data Science Club of UWA (2022):** Facilitated collaboration among members to support data-driven initiatives.

- **Uni-mentor, UWA (2022):** Guided peers to achieve academic goals through structured support.

- **Chairman, College Union, Govt. Engg. College, Trivandrum (2017):** Led student activities, managing timelines and fostering teamwork.

Achievements

- **UWA Global Excellence Scholarship** | AUD $8,000 per annum
  Awarded in recognition of outstanding academic merit for Data Science degree

- **Fast Starter Award** | Quest Global Engineering Services
  Recognized for exceptional performance and rapid development progress in 2019

- **Competitive Achievements**
  - Runner-up, Business Plan (Inter-College Business Idea Pitching Competition with 20+ participating groups)
  - Runner-up, Pentathlon (Inter-college Technical Skills Competition 50+ participants)